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Documents considered in evaluating  
the patentability:

US 45 91 668  
US 23 11 416

# Abstract

In a microphone (1-10) that responds to structure-borne sound and essentially consists of a microphone capsule (1), a diaphragm (5) on the side of the body and a transmitter that is connected in series to the diaphragm (5) on the side of the body and may or may not contain an amplifier (2)/impedance transformer (9), the vibrations that are generated by voiced sounds and picked up by the diaphragm (5) on the side of the body are forwarded to a plate (6) that is connected in series to the diaphragm (5) on the side of the body. A piezoelectric resonator (7) that is functionally connected to a pin (5a) which protrudes from the diaphragm (5) via the plate (6) is integrated into the plate (6). The plate (6) is designed and anchored by means of a ring (4) and insulation bodies (3) in such a way that the high frequency sounds of the voiced sounds, which amount to a small portion of the entire spectrum, are preferred in the sense of increasing the degree of efficiency with respect to the timbre.

